

- 1-Introduction
- 2-What/Why is Agile?
- 3-Basic Agile Concepts
- 4-Effects of Agile on Program Office Staff
- 5-Effects of Agile on Engineering Staff
- 6-Effects of Agile on Pre-Contract Award
- 7-Effects of Agile on Post-Contract Award
- 8-Enabling an Agile Acquisition Culture
- 9-Summary

Module 1 – What is Agile

ELO1

ELO2

ELO3

Module 5-Effects of Agile on Engineering Staff

ELO1 Identify/list/describe/discuss/recognize

ELO2 ...

ELO3 Identify how program technical requirements are expressed in Agile contracting settings.

ELO4 Identify how requirements are traced in Agile contracting settings.

Module 5 : Effects of Agile on Engineering Staff

Topic 1

Topic 2

Expressing requirements in Agile contracting settings

Horizontal and Vertical Traceability in Agile contracting settings

Topic 5

Topic 6

....

Module 5 : Effects of Agile on Engineering Staff

ELO 1:

MT 1

MT 2

MT n

ELO 2:

MT 1

MT 2

MT n

ELO 3: Identify how program technical requirements are expressed in Agile contracting settings.

3.MT1 A requirements baseline that is at too low a level of abstraction is unproductive for an Agile contract setting.

3.MT 2 In Agile settings, low level requirements add who and why to the typical what of requirements, often using a format called a “story”

3.MT 3 A capability-based Work Breakdown Structure makes developing and refining requirements in an Agile setting easier than using the more hardware-focused, but typical, component-based WBS

3.MT 4 Requirements in an Agile contracting setting need to be prioritized in terms of the rank order of their value to the end use and other stakeholders.

Module 5 : Effects of Agile on Engineering Staff

Sub Topic

Expressing requirements in Agile contracting settings

ELO:

Identify how program technical requirements are expressed in Agile contracting settings.

Assessment

From a list, choose the level of requirements that is appropriate for establishing a technical baseline.

Content

A requirements baseline that is at too low a level of abstraction is unproductive for an Agile contract sett

Typical hierarchy (from SAFe, in this case):

- Strategic theme – could be analog to ORD requirements
- Epic – could be analog to System Level requirements
- Story – could be analog to software component level requirements or below

One of the decisions to make is how different levels of requirements will be treated

- One dependency is how the software part of the program interacts with systems engineering/other stakeholders
- Another criteria is how requirements change will be accommodated
 - Level at which technical baseline is established is crucial to having flexibility in requirements change